



MODIS Land Future Plans

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Outline

- Criteria for making C4 changes
- Science testing plans
- Remaining products
- Aqua plans
- Collection 5 plans



Criteria for making C4 changes

- Will there be changes from the current process?
- Improve the PCR process
 - Post PCRs on Web for better visibility and for historical purposes
- Test system will be used to assess impacts
- New products will primarily go into forward processing – may be added to reprocessing on case-by-case basis



Science testing plans

- Expand data-set to include 1.25 years of data over a dozen tiles
 - Allows for testing of VCC, LCOV, LCC
 - Allows time-series analysis of other products
- One test per month?
 - First one in early Jan.
- Store data from previous tests near-line to aid analysis



Remaining products/changes

CMG Products Remaining

- VI 16-day and Monthly
- LST Daily, 8-day and Monthly
- Sea-ice Daily and 8-day
- Thermal Anomalies/Fire 8-day
- LAI/FPAR 8-day
- PSN 8-day and NPP Yearly
- Reflectance 8-day

BRDF/Albedo over Antarctica

- 1 to 1.5 months of in Dec./Jan. timeframe

Browse for individual products

- to enhance EDG and data pools interfaces

Other Remaining Products

- Evapotranspiration (initially Aqua only)
- Land Cover Change/Dynamics
- 8-day Sea-ice
- Snow in Polar Projection
- Sea-ice in Equatorial Projection
- Snow/sea-ice albedo
- Burnt area
- MODIS/MISR BRDF

Save (in MODAPS) some intermediate LST and PSN products



Aqua plans

- When will Version 4 algorithms go into forward processing for Aqua? *January (?)*
- When does Aqua go to 250m globally (currently 16%)? *March/April (?)*
- Combined products
 - Geolocation/Calibration issues
 - Other issues?
- Dealing with bad Band 6 in Snow products?



Collection 5 plans

- Land-sea Mask Improvements
 - Can the SRTM DEM be used?
 - Will generate Tiled SIN DEM soon
- HDF Compression
- Replace some 1km products with 500m Products?
 - Candidates: BRDF/Albedo, Texture, LAI/FPAR, PSN/NPP, LCOV, LCC
 - Drop 1km VI, MODAGG?
- Possible requirements for next reprocessing (C5)
 - Jan. '04 start – Aqua + Terra
 - For a 10 month schedule we'll need 6.8x to reprocess 3.8 years of Terra and 1.6 years of Aqua; additional 2x for forward processing
 - Roughly 3 TB/day to EDC and 0.2 TB/day to NSIDC